

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT APPLICATION of
Inventor(s): Mills

Group Art Unit: 1754

App'n Ser. No.: 09/501,621

Examiner(s): Kalafut for the
Secret Committee

Filing Date: 02/09/2000

Title: DOPED THERMIONIC CATHODE AND METHOD OF MAKING THE DOPED
THERMIONIC CATHODE

* * * * *

April 5, 2005

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Attached are PTO/SB/O8B forms listing the enclosed documents. Copies of the enclosed documents are attached to this Information Disclosure Statement and/or to the Attachments to the Response filed herewith.

If necessary, please accept this Information Disclosure Statement under Rule 97(c) and charge the requisite Rule 17(p) fee to our Deposit Account No. 50-0687 under Order No. 27462/**62-226** for which purposes this paper is submitted in duplicate.

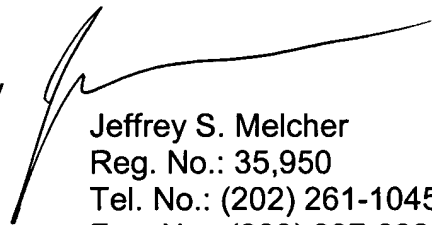
This information disclosure statement is intended to be in full compliance with the rules, but should the Examiner find any part of its required content to have been omitted, prompt notice that effect is earnestly solicited, along with additional time under Rule 97(f), to enable Applicant to comply fully. Consideration of the foregoing and enclosures plus the return of a copy of the herewith PTO/SB/08A and B forms with the

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Examiner's initials in the left column per MPEP 609 along with an early action on the merits of this application are earnestly solicited.

Respectfully submitted,
Manelli Denison & Selter PLLC

By

A handwritten signature in black ink, appearing to read 'Jeffrey S. Melcher', is written over a horizontal line.

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Fax. No.: (202) 887-0336

Customer No. 20736

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
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				Examiner Name	Kalafut
Sheet	1	of	3	Attorney Docket Number	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Letter from Shelby T. Brewer to The Honorable James E. Rogan, December 21, 2001 and PTO response from Jason C. Roe, April 24, 2002 (see Attachment A)	
		PARK, "Patent Nonsense, Court Denies Blacklight Power Appeal", <i>What's New</i> , September 6, 2002, www.aps.org.WN/WN02/wn090602.html (see Attachment C)	
		RANDI, "Houdini and the Rabbi, The Patent Office Again, A Perpetual Motion/Emotion Car Breaks Down...", <i>Swift</i> , September 20, 2002, www.randi.org/jr/092002.html (see Attachment C)	
		VOSS, "'New Physics' Finds a Haven At the Patent Office", <i>Science</i> , Vol. 284, pp. 1252-1254, May 21, 1999 (see Attachment D)	
		PTO Memorandum For All Employees: Media Contact Policy from Acting Assistant Secretary of Commerce and Acting Commissioner of patents and Trademarks, June 22, 1999	
		Letter from Jeffrey S. Melcher to Ms. Esther Kepplinger, February 28, 2000 (see Attachment G)	
		Internet Discussion Forum, "Two Brand New Papers out at BLP's "What's New" page," message No. 7191 on Hydrino Study Group, http://groups.yahoo.com/group/hyrino/message/7191 , September 27, 2003 (see Attachment H)	
		Internet Discussion Forum, "Even Skeptics can lose Objectivity," message No. 7410 on Hydrino Study Group, http://groups.yahoo.com/group/hyrino/message/7410 , October 27, 2003 (see Attachment H)	

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		Internet Discussion Forum, "Two Competing Views of Reality Engage in a Battle for Total Control of Our Physics Paradigm", <i>Hydrino Study Group</i> , http://www.hydrino.org (see Attachment H)	
		Internet Discussion Forum, "Zimmerman's APS Centennial Meeting Talk", Transcript from Tom Stolper, November 10, 2003 (see Attachment H)	
		Internet Discussion Forum, "Zimmerman's APS Centennial Meeting Talk", Transcript from Peter Zimmerman and Tom Stolper, October 29, 2003 (see Attachment H)	
		Internet Discussion Forum, "Zimmerman's APS Centennial Meeting Talk", Transcript from Tom Stolper, October 28, 2003 (see Attachment H)	
		Internet Discussion Forum, "HSG: Even skeptics can lose objectivity", Transcript from Steve Menton, October 26, 2003 (see Attachment H)	
		Internet Discussion Forum, "HSG: Zimmerman's Insincere Questions", Transcript from Peter Zimmerman and Steve Menton, September 25, 2003 (see Attachment H)	
		Internet Discussion Forum, "Re: Re: Zero Electrostatic Self-Interaction Justified", Transcript from Peter Zimmerman, May 22, 2003 http://groups.yahoo.com/group/hydrino/message/6052 (see Attachment H)	
		Internet Discussion Forum, "HSG: Re: Bool Review by Dr. John Farrell", Transcript from Peter Zimmerman, February 23, 2004 (see Attachment H)	
		"Regarding PZ's Departing Post", includes many public posts on hydrino study group. pp 1-75 (see Attachment I)	
		PARK, "Perpetual Motion: Still Going Around", Special to the Washington Post, January 12, 2000, Page H03 (see Attachment J)	
		Letter from Jeffrey S. Melcher to Ms. Esther Keplinger with Attachments A-E, January 19, 2001(see Attachment K)	
		PLATT, "Testing the Current", The Washington Post, June 25, 2000, Page X05 (see Attachment M)	
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		USPTO Communication re Interview scheduled for February 21, 2003, February 12, 2001 (see Attachment N)	
		Letter from Senator Ron Wyden to The Honorable Todd Q. Dickinson with attachments, April 5, 2000 (see Attachment O)	
		Letter from Senator Robert G. Torricelli to Nicholas P. Godici with attachments, July 20, 2001 (see Attachment O)	
		Letter from Senator Jon S. Corzine to The Honorable Todd Q. Dickinson with attachments, August 2, 2001 (see Attachment O)	
		Letter from Senator Max Cleland to Ms. Jane Cooksey with attachments, March 24, 2000 (see Attachment O) Letter from Senators Max Cleland and Ron Wyden to Chairman Patrick Leahy, December 20, 2001 (see Attachment O)	
		Letter from Senators Max Cleland and Ron Wyden to The Honorable Donald L. Evans, December 20, 2001; Letter from Senators Jon S. Corzine and Robert G. Torricelli to The Honorable Donald L. Evans, December 21, 2001 (see Attachment O)	
		Email re Interview Summary from Jeffrey Simenauer to Ted Liu, February 13, 2003 (see Attachment P)	
		"APS E-Board Passes Resolution on Perpetual Motion Machines", APS NEWS ONLINE, August/September 2002, http://www.eps.org/aps/apsnews/0802/080212.html (see Attachment Q)	
		Letter from Elizabeth Barlow to John Allen, March 17, 2004 (see Attachment R)	
		Letters from John Allen to Office of Counsel, US Department of Commerce with attachments, May 12, 2003, June 7, 2003, and March 10, 2004 (see Attachment R)	
		Souw, Bernard, "Coherent Telescope array with self-homodyne interferometric detection for optical communications," Opt. Eng. 42(11) 3139-3157 (Nov. 2003); U.S. Department of Commerce, Summary of Ethics Rules, USPT, 2000; October 15, 2004 E-mail to Examiner Wayner (Attachment S)	
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	7	R. Mills, "Highly Stable Novel Inorganic Hydrides," Journal of New Materials for Electrochemical Systems, Vol. 6, (2003), pp. 45-54.			
	16	R. Mills, M. Nansteel, and P. Ray, "Excessively Bright Hydrogen-Strontium Plasma Light Source Due to Energy Resonance of Strontium with Hydrogen," J. of Plasma Physics, Vol. 69, (2003), pp. 131-15810-13, (2002), pp. 1-4. (Web Publication Date: March 28, 2002.) Attachment 56			
	42	R. L. Mills, P. Ray, "A Comprehensive Study of Spectra of the Bound-Free Hyperfine Levels of Novel Hydride Ion , Hydrogen, Nitrogen, and Air," Int. J. Hydrogen Energy, Vol. 28, No. 8, (2003), pp. 825-871			
	45	R. L. Mills, J. He, P. Ray, B. Dhandapani, X. Chen, "Synthesis and Characterization of a Highly Stable Amorphous Silicon Hydride as the Product of a Catalytic Helium-Hydrogen Plasma Reaction," Int. J. Hydrogen Energy, Vol. 28, No. 12, (2003), pp. 1401-1424			
	46	R. L. Mills, P. Ray, "Stationary Inverted Lyman Population and a Very Stable Novel Hydride Formed by a Catalytic Reaction of Atomic Hydrogen and Certain Catalysts," J. Opt. Mat., 27, (2004), 181-186			
	47	H. Conrads, R. Mills, Th. Wrubel, "Emission in the Deep Vacuum Ultraviolet from a Plasma Formed by Incandescently Heating Hydrogen Gas with Trace Amounts of Potassium Carbonate," Plasma Sources Science and Technology, Vol. 12, (2003), pp. 389-395			
	48	R. M. Mayo, R. Mills, M. Nansteel, "Direct Plasmadynamic Conversion of Plasma Thermal Power to Electricity," IEEE Transactions on Plasma Science, October, (2002), Vol. 30, No. 5, pp. 2066-2073			
	49	R. L. Mills, P. Ray, B. Dhandapani, J. He, "Comparison of Excessive Balmer Line Broadening of Inductively and Capacitively Coupled RF, Microwave, and Glow Discharge Hydrogen Plasmas with Certain Catalysts," IEEE Transactions on Plasma Science, Vol. 31, No. 3, (2003), pp. 338-355			

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	50	R. L. Mills, P. Ray, J. Dong, M. Nansteel, B. Dhandapani, J. He, "Spectral Emission of Fractional-Principal-Quantum-Energy-Level Atomic and Molecular Hydrogen," Vibrational Spectroscopy, Vol. 31, No. 2, (2003), pp. 195-213		
	51	R. Mills, P. Ray, R. M. Mayo, "CW HI Laser Based on a Stationary Inverted Lyman Population Formed from Incandescently Heated Hydrogen Gas with Certain Group I Catalysts," IEEE Transactions on Plasma Science, Vol. 31, No. 2, (2003), pp. 236-247		
	54	R. L. Mills, P. Ray, "Stationary Inverted Lyman Population Formed from Incandescently Heated Hydrogen Gas with Certain Catalysts," J. Phys. D, Applied Physics, Vol. 36, (2003), pp. 1504-1509		
	59	R. Mills, P. Ray, R. M. Mayo, "The Potential for a Hydrogen Water-Plasma Laser," Applied Physics Letters, Vol. 82, No. 11, (2003), pp. 1679-1681		
	60	R. L. Mills, J. Sankar, P. Ray, A. Voigt, J. He, B. Dhandapani, "Synthesis of HDLC Films from Solid Carbon," Journal of Material Science, Vol. 39, (2004), pp. 3309-3318		
	61	R. L. Mills, B. Dhandapani, J. He, "Highly Stable Amorphous Silicon Hydride," Solar Energy Materials & Solar Cells, Vol. 80, (2003), pp. 1-20		
	63	R. L. Mills, X. Chen, P. Ray, J. He, B. Dhandapani, "Plasma Power Source Based on a Catalytic Reaction of Atomic Hydrogen Measured by Water Bath Calorimetry," Thermochemica Acta, Vol. 406, (2003), pp. 35-53		
	67	R. L. Mills, P. Ray, "Extreme Ultraviolet Spectroscopy of Helium-Hydrogen Plasma," J. Phys. D, Applied Physics, Vol. 36, (2003), pp. 1535-1542		

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	69	R. L. Mills, J. Sankar, A. Voigt, J. He, B. Dhandapani, "Spectroscopic Characterization of the Atomic Hydrogen Energies and Densities and Carbon Species During Helium-Hydrogen-Methane Plasma CVD Synthesis of Diamond Films," Chemistry of Materials, Vol. 15, (2003), pp. 1313-1321		
	77	J. Phillips, R. L. Mills, X. Chen, "Water Bath Calorimetric Study of Excess Heat in 'Resonance Transfer' Plasmas," J. Appl. Phys., Vol. 96, No. 6, (2004) 3095-3102		
	81	R. Mills, P. Ray, B. Dhandapani, W. Good, P. Jansson, M. Nansteel, J. He, A. Voigt, "Spectroscopic and NMR Identification of Novel Hydride Ions in Fractional Quantum Energy States Formed by an Exothermic Reaction of Atomic Hydrogen with Certain Catalysts," European Physical Journal: Applied Physics, 28, (2004), 83-104		
	84	R. L. Mills, P. Ray, J. Dong, M. Nansteel, R. M. Mayo, B. Dhandapani, X. Chen, "Comparison of Balmer Line Broadening and Power Balances of Helium-Hydrogen Plasma Sources," Braz. J. Phys., submitted		
	85	R. L. Mills, P. Ray, R. M. Mayo, "Highly Pumped Inverted Balmer and Lyman Populations," New Journal of Physics, submitted		
	86	R. L. Mills, P. Ray, J. He, B. Dhandapani, M. Nansteel, "Novel Spectral Series from Helium-Hydrogen Evenson Microwave Cavity Plasmas that Matched Fractional-Principal-Quantum-Energy-Level Atomic and Molecular Hydrogen," European Journal of Physics, submitted		
	87	R. Mills, B. Dhandapani, M. Nansteel, J. He, P. Ray, "Liquid-Nitrogen-Condensable Molecular Hydrogen Gas Isolated from a Catalytic Plasma Reaction," J. Phys. Chem. B, submitted		
	88	R. Mills, J. Sankar, A. Voigt, J. He, P. Ray, B. Dhandapani, "Role of Atomic Hydrogen Density and Energy in Low Power CVD Synthesis of Diamond Films," Thin Solid Films, submitted		

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	89	R. Mills, P. C. Ray, R. M. Mayo, M. Nansteel, W. Good, P. Jansson, B. Dhandapani, J. He, "Hydrogen Plasmas Generated Using Certain Group I Catalysts Show Stationary Inverted Lyman Populations and Free-Free and Bound-Free Emission of Lower-Energy State Hydride," Fizika A, submitted		
	90	R. L. Mills, P. Ray, M. Nansteel, J. He, X. Chen, A. Voigt, B. Dhandapani, "Characterization of an Energetic Catalyst-Hydrogen Plasma Reaction as a Potential New Energy Source," Am. Chem. Soc. Div. Fuel Chem. Prepr., Vol. 48, No. 2, (2003)		
	91	R. Mills, P. Ray, "New H I Laser Medium Based on Novel Energetic Plasma of Atomic Hydrogen and Certain Group I Catalysts," J. Plasma Physics, submitted		
	92	R. L. Mills, P. Ray, M. Nansteel, J. He, X. Chen, A. Voigt, B. Dhandapani, Luca Gamberale, "Energetic Catalyst-Hydrogen Plasma Reaction as a Potential New Energy Source," Central European Journal of Physics, submitted		
	93	R. L. Mills, P. Ray, M. Nansteel, J. He, X. Chen, A. Voigt, B. Dhandapani, "Energetic Catalyst-Hydrogen Plasma Reaction Forms a New State of Hydrogen," Doklady Chemistry, submitted		
	94	R. L. Mills, "The Nature of the Chemical Bond Revisited and an Alternative Maxwellian Approach," Physics Essays, in press		
	95	R. L. Mills, P. Ray, B. Dhandapani, "Excessive Balmer Line Broadening of Water-Vapor Capacitively-Coupled RF Discharge Plasmas," IEEE Transactions on Plasma Science, submitted		
	96	J. Phillips, C. K. Chen, R. Mills, "Evidence of the Production of Hot Hydrogen Atoms in RF Plasmas by Catalytic Reactions Between Hydrogen and Oxygen Species," Spectrochimica Acta Part B: Atomic Spectroscopy, submitted		

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	97	R. Mills, P. Ray, B. Dhandapani, "Evidence of an Energy Transfer Reaction Between Atomic Hydrogen and Argon II or Helium II as the Source of Excessively Hot H Atoms in RF Plasmas," Contributions to Plasma Physics, submitted	
	98	R. L. Mills, Y. Lu, J. He, M. Nansteel, P. Ray, X. Chen, A. Voigt, B. Dhandapani, "Spectral Identification of New States of Hydrogen," New Journal of Chemistry, submitted	
	99	R. L. Mills, Y. Lu, B. Dhandapani, "Spectral Identification of ,", submitted	
	100	R. Mills, B. Dhandapani, J. He, "Highly Stable Amorphous Silicon Hydride from a Helium Plasma Reaction," Materials Chemistry and Physics, submitted 6	
	101	R. L. Mills, Y. Lu, M. Nansteel, J. He, A. Voigt, B. Dhandapani, "Energetic Catalyst-Hydrogen Plasma Reaction as a Potential New Energy Source," Division of Fuel Chemistry, Session: Chemistry of Solid, Liquid, and Gaseous Fuels, 227th American Chemical Society National Meeting, March 28-April 1, 2004, Anaheim, CA	
	102	R. L. Mills, "Exact Classical Quantum Mechanical Solutions for One- through Twenty-Electron Atoms," Phys. Essays, submitted	
	103	R. L. Mills, Dhandapani, W. Good, J. He, "New States of Hydrogen Isolated from K2CO3 Electrolysis Gases," Chemical Engineering Science, submitted	
	104	R. L. Mills, Y. Lu, M. Nansteel, J. He, A. Voigt, W. Good, B. Dhandapani, "Energetic Catalyst-Hydrogen Plasma Reaction as a Potential New Energy Source," Division of Fuel Chemistry, Session: Advances in Hydrogen Energy, 228th American Chemical Society National Meeting, August 22-26, 2004, Philadelphia, PA	

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	105	J. Phillips, C. K. Chen, R. L. Mills, "Evidence of Catalytic Production of Hot Hydrogen in RF-Generated Hydrogen/Argon Plasmas," IEEE Transactions on Plasma Science, submitted	
	106	R. L. Mills, "Exact Classical Quantum Mechanical Solution for Atomic Helium which Predicts Conjugate Parameters from a Unique Solution for the First Time," Foundations of Science, submitted	
	107	R. L. Mills, "Maxwell's Equations and QED: Which is Fact and Which is Fiction," Physica Scripta, submitted	

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